

News Letter

SOCIETY OF AMERICAN BACTERIOLOGISTS

OFFICE OF THE
SECRETARY-TREASURER

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Invited Members (Non-voting):

The Editors-in-Chief of BACTERIOLOGICAL REVIEWS and THE JOURNAL OF BACTERIOLOGY, and the Chairman of the Program Committee

Council Policy Committee:

Barnett Cohen, Chairman
J. E. Blair, Secretary
W. McD. Hammon
W. J. Nungester

J. M. Sherman
N. R. Smith (1950)
H. J. Shaughnessy (1951)
Martin Frobisher, Jr. (1952)

GOLDEN JUBILEE MEETING - BALTIMORE, MAY 14 to 18, 1950

The Golden Jubilee Meeting - the 50th general meeting of the Society - will take place in Baltimore, May 14 to 18, 1950. The Lord Baltimore Hotel has been selected as headquarters, and scientific sessions will be held at both the Lord Baltimore and the Emerson Hotels.

We are pleased to transmit to the members of the Society the following letter from President Barnett Cohen.

Fellow Members:

Permit me to reinforce the cordial invitation you have received from the Maryland Branch to attend the Golden Jubilee Meeting of the Society in May. Be assured that everything possible will be done by your officers and by the Local and Program Committees to make your visit to Baltimore agreeable, profitable and, we hope, memorable.

There are two among the many highlights of the program that I should like to call to your attention at this time. One is the Society's annual lecture, named this year in honor of three great pioneers, the Welch-Hovy-Russell Lecture. It will be given by Professor C.-E. A. Winslow (Honorary Member) who scarcely needs any introduction. His lecture on the development of bacteriology, perfectly suited to the occasion of our Jubilee, can be anticipated to yield a feast of learning seasoned with charm and wisdom.

We are introducing a special feature this year, namely, a public lecture designed for educated laymen, a class which includes microbiologists. Its importance and implications are obvious; and it will constitute the opening session of the meetings: Sunday evening, May 14th. President Detlev W. Bronk of The Johns Hopkins University has consented to address the audience on the subject of fundamental scientific research. Dr. Bronk's broad training and wide experience eminently qualify him to speak on this vitally important matter. You should not miss this important session which recognizes the vital stake that the public has in the progress and practice of scientific research.

Cordially yours,

Barnett Cohen

Word comes from Dr. Roger D. Reid, Chairman of the Baltimore Local Committee, that plans are going ahead rapidly for the meetings. All available space for exhibits by Sustaining Members has been reserved and several scientific exhibits are being planned. Reservations for hotel rooms are being received in large numbers; please let this be a reminder to those who have not yet sent in their reservations to do so at the earliest possible opportunity.

It should be emphasized that each graduate student must bring a letter from the head of his department certifying his status in order to take advantage of the special rates provided by the Housing and Registration Committees.

Special breakfasts, luncheons or dinners by committees, alumni groups and others with common interests have been scheduled as follows:

Local Committee	Dinner	Saturday, May 13, 6:30 P.M. Lord Baltimore Hotel
Local Committee Chairmen	Lunch	Sunday, May 14, 2:00 P.M. Lord Baltimore Hotel

Council	Dinner	Sunday, May 14, 6:30 P.M. Lord Baltimore Hotel
Presidents and Secretaries of Local Branches	Lunch	Tuesday, May 16, 12 Noon
Editorial Committee	Lunch	To be arranged
Committee on Technic	Breakfast	Tuesday, May 16, 8:00 A.M. Lord Baltimore Hotel
Committee on Teaching	Lunch	Tuesday, May 16
Program Committee	Lunch	Thursday, May 18, 12 Noon
Bergey Manual Contributors	Dinner	Tuesday, May 16 Lord Baltimore Hotel

(Those interested in taxonomy who are not contributors to the Manual may attend this dinner; cost of dinner to non-contributors \$3.65. Visitors welcome for discussion after dinner.)

Alumni Groups:

Cornell	Lunch	Tuesday, May 16, 12 Noon Emerson Hotel
Graduates of Colleges in the State of Maryland	Lunch	Tuesday, May 16, 12 Noon Southern Hotel
Brown	Breakfast	Tuesday, May 16
California	Lunch	Thursday, May 18, 12 Noon
Camp Detrick	Lunch	Wednesday, May 17
Kentucky	Lunch	Wednesday, May 17
Michigan State	Lunch	Thursday, May 18
Minnesota	Lunch	Tuesday, May 16
Pennsylvania	Lunch	Wednesday, May 17
Purdue	Lunch	Wednesday, May 17
Rutgers	Lunch	Tuesday, May 16
Yale	Dinner	Tuesday, May 16, 6:30 P.M. Park Plaza Hotel (\$2.80)
Pennsylvania State	Breakfast	Wednesday, May 17
Iowa State	Lunch	Wednesday, May 17
University of Kansas	Lunch	Wednesday, May 17
Ohio State	Lunch	Wednesday, May 17
University of Wisconsin	Lunch	Tuesday, May 16
American Society Professional Biologists	Social Meet- ing	Tuesday, May 16, 4:15 P.M. Southern Hotel

(The Maryland State Chapter ASPB invites members of ASPB and friends to attend.)

Note: All breakfasts \$1.75; all luncheons \$2.00. Prices include State tax and gratuity.

For convenience in registering at the meetings, the Registration desk at the Lord Baltimore Hotel will be open during the following hours: Sunday, May 14 - 12 noon to 9 P.M.; Monday, May 15 - 9 A.M. to 8 P.M.; Tuesday and Wednesday, May 16 and 17 - 9 A.M. to 6 P.M.; and Thursday, May 18 - 9 A.M. to 12 Noon. An information desk will be open daily throughout the meetings from 9 A.M. to 9 P.M. The registration fee for members will be \$3.50; for non-members, \$5.50; and for certified graduate students, \$1.00.

The public lecture by President Detlev W. Bronk of The Johns Hopkins University will be given on Sunday evening, May 14, in the Ballroom of the Lord Baltimore Hotel. Dr. Bronk is an outstanding leader in American science and education, chairman of the National Research Council, Foreign Secretary of the National Academy of Sciences, and a member of the National Commission for UNESCO. This is an occasion which cannot well be missed. Make plans to arrive in Baltimore on Sunday, May 14.

A LETTER FROM DR. KLUYVER

As was reported in the last News Letter, Honorary Membership in the Society was conferred upon Dr. Albert Jan Kluyver, Technische Hoogeschool, Delft, Holland, by vote of the Society late in 1949. In response to his official notification, Dr. Kluyver sent the following letter to the Secretary-Treasurer.

Dear Doctor Blair,

I am in receipt of your letter of January 4th, and I wish to assure you that I am greatly impressed by the very special honour conferred upon me by my recent election to the Honorary Membership in the Society of American Bacteriologists.

I consider this to be perhaps the highest tribute which could come to a bacteriologist. I can state that in the more than 25 years in which I have been able to follow the development of the Society my admiration for its manifold activities has been continuously increasing.

Thanks to the leadership of several eminent scientists it has become by far the largest organization of bacteriologists, and through the channel of its official organs the Society has not only greatly stimulated numerous workers in all countries but also has strongly promoted a world-wide cooperation.

I should feel very much obliged to you, if you would kindly be the interpreter of my profound gratitude towards the Society as a whole for the distinction which I so highly value.

May I, in addition, ask you to accept my warmest thanks for the very courteous way in which you have been willing to inform me regarding the decision made by the Society.

Sincerely yours,

A. J. Kluyver

VIRAL AND RICKETTSIAL REGISTRY

A Registry has been instituted to fill the growing need for an available stock of documented viral and rickettsial agents. Through generous cooperation and contributions by numerous investigators, prepared specimens of selected viruses and rickettsiae are ready for distribution through the American Type Culture Collection, 2029 M Street, N.W., Washington 6, D. C.

A catalogue of the viral and rickettsial agents available with their histories, costs, methods of shipment and other pertinent data may be obtained from the Culture Collection upon request.

PROFESSIONAL ILLUSTRATORS AND PHOTOGRAPHERS

The Academy-International of Medicine is establishing an information service on professionally trained medical illustrators and photographers who will assist the profession in the preparation of all types of papers for publication, meetings, visual demonstrations and exhibit material. Information on illustrators and photographers is to be available, upon request, to the entire profession. Those having personal knowledge of competent illustrators or photographers are requested to assist by sending the technicians' names and addresses to: Academy-International of Medicine, 214 West Sixth Street, Topeka, Kansas.

CARE BOOK PROGRAM

All of us are aware of the tremendous losses of books and periodicals which were sustained by the European and Asiatic universities and libraries during the recent war. With progress in physical rehabilitation of the devastated countries under way, there arises the urgent need for information about recent scientific and technical advances. Through its book program, CARE is seeking to provide some of these needs by the purchase and distribution of scientific books. Contributions are being received by CARE for the purchase of new books only; gifts of books are not being accepted. Contributors of \$10 or more may, if they wish, specify the type of book and the country and type of institution to which it is to be sent. To aid as many people as possible, books are sent only to institutions according to their greatest needs, and not to individuals. Remittances may be sent directly to CARE Book Program, CARE, 20 Broad Street, New York 5, N. Y.

WANTED

Dr. Mathilde Solowey is interested in purchasing the first seven volumes of Bacteriological Reviews (1937 to 1943) and Vol. 9, Number 1, March, 1945. Dr. Solowey's address is: Microbiology Research Division, Bureau of Agricultural and Industrial Chemistry, Room 303-A North Building, U. S. Department of Agriculture, Beltsville, Maryland.

A copy of "The Leeuwenhoek Letter" - now several years out of print - is sought by Dr. James E. Fuller, Department of Bacteriology and Public Health, University of Massachusetts, Amherst, Massachusetts.

Mr. Sheldon Aaronson, Haskins Laboratories, 305 East 43rd Street, New York 17, N. Y., would appreciate hearing about or receiving cultures of gram-positive, tetrad-forming cocci.

FIFTH INTERNATIONAL CONGRESS OF MICROBIOLOGY

Rio de Janeiro, August 17 to 24, 1950

We have just received word from Dr. Olympio da Fonseca, President of the Fifth International Congress, that the committee will be glad to receive titles of papers to be read at the Congress from all who wish to submit them. A few papers will be presented by invitation, but the bulk of the program will be comprised of papers which are voluntarily submitted. The address of Dr. da Fonseca and of Dr. Joaquim Travassos, General Secretary of the Congress, is: Instituto Oswaldo Cruz, Caixa Postal 926, Rio de Janeiro, D. F. Titles of papers should be sent to them or to the Conveners of the Sections, listed below.

Section 1. General Microbiology

Convener: José de Moura Moniz, Rua D. Mariana 219, Botafogo, Rio de Janeiro, D.F.

Section 2. Medical and Veterinary Bacteriology

Subsection 1. Medical Bacteriology

Convener: Luiz Salles Gomes, Instituto Adolpho Lutz, Avenida Dr. Arnaldo, São Paulo.

Subsection 2. Veterinary Bacteriology

Convener: Adolpho Martins Penha, Instituto Biológico de Defesa Agrícola e Animal, Av. Rodrigues Alves, São Paulo.

Section 3. Viruses and Virus Diseases

Convener: José Guilherme Lacorte, Instituto Oswaldo Cruz, Caixa Postal 926, Rio de Janeiro, D.F.

Section 4. Rickettsiae and Rickettsial Diseases

Convener: Octavio Coelho de Magalhães, Fac. de Medicina, Universidade de B. Horizonte, R. do Chumbo 570, B. Horizonte, Minas Gerais.

Section 5. Medical and Veterinary Mycology

Convener: A. E. de Araújo Leão, Instituto Oswaldo Cruz, Caixa Postal 926, Rio de Janeiro, D.F.

6.

Section 6. Medical and Veterinary Protozoology

Convener: Julio Muniz, Instituto Oswaldo Cruz, Caixa Postal 926,
Rio de Janeiro, D. F.

Section 7. Plant Pathogenic Microorganisms

Convener: Agesilau Bittencourt, Instituto Biológico de Defesa Agrícola
e Animal, Caixa Postal 2821, São Paulo.

Section 8. Soil, Water and Sewage Microbiology

Subsection 1. Soil Microbiology

Convener: Lucas Assumpção, Fac. de Higiene e Saúde Pública,
Avenida Dr. Arnaldo, São Paulo.

Subsection 2. Water and Sewage Microbiology

Convener: Alvaro Barcelos Fagundes, Instituto de Pesquisas Agronômicas,
Estrada Rio-São Paulo, Km. 47, Rio de Janeiro.

Section 9. Industrial Microbiology

Convener: Oswaldo Cruz Filho, Instituto Oswaldo Cruz, Caixa Postal 926,
Rio de Janeiro, D. F.

Section 10 Immunology and Allergy

Convener: Otto Bier, Instituto Biológico de Defesa Agrícola e Animal,
Caixa Postal 2821, São Paulo.

Section 11 Classification and Nomenclature of Microorganisms

Subsection 1. Classification and Nomenclature of Viruses

Subsection 2. Classification and Nomenclature of Bacteria

Subsection 3. Classification and Nomenclature of Fungi

Subsection 4. Classification and Nomenclature of Protozoa

(Names of Conveners not available)

Travel to the Congress. It should be emphasized that persons planning to attend the Congress should no longer delay in placing their reservations for transportation. Reservations made now may be cancelled if necessary up to three weeks before the date of departure. For reservations and other information, write directly to: Clara Laughlin Travel Services, Inc., 38 East 57th Street, New York 22, N. Y.

NEWS ABOUT OUR MEMBERS

Dr. Carl A. Fellers, President of the Institute of Food Technologists, addressed the Florida Section of the Institute at Winter Haven on January 26, and the Dixie Section at Atlanta on February 3, on the subject "The Laboratory in Business."

Dr. Lloyd D. Felton, Medical Officer in the U. S. Public Health Service, retired from active duty with the Service on December 1, 1949.

Dr. Vincent Groupe will head a new Virus Research Laboratory, representing the first unit in the projected Institute of Microbiology at Rutgers University.

Dr. Champ Lyons, formerly at Tulane University of Louisiana School of Medicine, assumed the duties of Professor and Chairman of the Department of Surgery in the Medical College of Alabama, Birmingham, on January 1.

Dr. Donald S. Martin, School of Medicine of Duke University, has accepted appointment as Professor of Microbiology and Dean of the Medical School, University of Puerto Rico, San Juan, effective in April, 1950.

Dr. W. H. Taliaferro, Professor of Bacteriology and Parasitology in the University of Chicago, is the recent recipient of the Mary Kingsley Medal, awarded in recognition of his contributions to tropical medicine by the Incorporated Liverpool School of Tropical Medicine.

Dr. Claude E. ZoBell, Scripps Institute, University of California, retired as President of the American Society of Limnology and Oceanography at the meeting of that society in New York on December 28, presenting an address on "The Possible Part Played by Bacteria in Petroleum Formation."

A Committee on Biochemistry Advisory to the Office of Naval Research, set up in the American Institute of Biological Sciences, numbers among its eight members the following members of the S.A.B.: C. B. van Niel (chairman), J. W. Foster, I. C. Gunsalus, and Michael Heidelberger.

DEATHS

The Secretary-Treasurer records with sincere regret the deaths of the following members of the Society.

Dr. Ernest G. Stillman, recently retired research staff member of the Rockefeller Institute Hospital, on December 16, 1949.

Dr. William A. Kreidler, Associate Professor of Bacteriology at Jefferson Medical College, Philadelphia, on December 24, 1949.

Dr. Margaret W. Higgenbotham, chief of the Department of Bacteriology and Serology, South Bend Medical Foundation, South Bend, Indiana, on January 8, 1950.

Dr. M. Maxim Steinbach, specialist in pulmonary diseases and Research Associate in bacteriology at Columbia University College of Physicians and Surgeons, New York, on February 1, 1950.

Dr. Herbert D. Pease, head of the Pease Laboratories, New York, on February 14, 1950. Dr. Pease was a Charter Member of the Society, and held the distinction of fifty years of continuous active membership in the Society.

OFFICERS OF LOCAL BRANCHES

Five Local Branches have recently reported the election of officers:

	<u>Eastern New York</u>	<u>Kentucky-Tennessee</u>	<u>Northeastern</u>
President	John K. Miller	L. D. Michelson	Geoffrey Edsall
Vice-President	W. Dexter Bellamy	James G. Shaffer	Cecil G. Dunn
Secretary-Treasurer	Sophia M. Cohen	James C. Humphries	Genevieve Young
Councilor to S.A.B.	John Hays Bailey	R. H. Weaver	Howard E. Lind
Alternate Councilor	Julia M. Coffey		Robert A. MacCready
Local Councilors	John F. Gain		J. Howard Mueller
Assoc. Director			Ralph E. Wheeler
			Edwin H. Place
		Stephan Diachun	

	<u>Maryland</u>	<u>Illinois</u>
President	Thomas G. Ward	Guy P. Youmans
Vice-President	Keith H. Lewis	Harold Richardson
Secretary-Treasurer	Rudolph J. Allgeier	Leslie R. Hedrick
Councilor to S.A.B.	Elizabeth Petran	John H. Glynn
Local Councilors	Thomas B. Turner	
	F. M. Hildebrandt	
	Roger D. Reid	

MEETINGS OF LOCAL BRANCHESSouthern California Branch (William D. Rosenfeld, Secretary-Treasurer)

January 14, 1950. Scripps Institution of Oceanography, University of California, La Jolla.

1. Satellite test for differentiation of Hemophilus, by M. J. Pickett, Department of Bacteriology, University of California, Los Angeles.
2. Hydrocarbon synthesis by hydrogen-utilizing autotrophs, by F. D. Sisler, Scripps Institution of Oceanography, University of California, La Jolla.
3. An induced mutation in Thiobacillus thiocoxidans, by S. C. Rittenberg and R. P. Grady, Department of Bacteriology, University of Southern California, Los Angeles.
4. Influence of pressure on growth and morphology of certain marine bacteria, by C. H. Oppenheimer, Scripps Institution of Oceanography, University of California, La Jolla.
5. Cell structure in relation to the Gram stain, by J. W. Bartholomew and Tod Mittwer, Department of Bacteriology, University of Southern California, Los Angeles.

Kentucky-Tennessee Branch (James C. Humphries, Secretary-Treasurer)

October 15, 1949. University of Kentucky, Lexington.

1. Attempts to induce streptomycin resistance in five microorganisms, by Nathaniel A. Harrison and Margaret Hotchkiss, Department of Bacteriology, University of Kentucky, Lexington.
2. Growth of Proteus vulgaris in certain synthetic and semi-synthetic media, by Melvin Lieberman and Mary Hardin, Department of Bacteriology, University of Kentucky, Lexington.
3. A purine-requiring strain of Photobacterium fischeri, by William N. Pearson, Department of Biology, Vanderbilt University, Nashville.
4. Growth factor requirements of Candida albicans Y-475 and Mycoderma vini Y-939, by Emily Bell, Department of Biology, Vanderbilt University, Nashville.
5. The nutrition of Monosporium apiospermum, by Frederick T. Wolf, Robert B. Bryden, and John A. McLaren, Department of Biology, Vanderbilt University, Nashville.
6. The growth of Trichophyton mentagrophytes and five of its variants as affected by several nitrogen sources, by Ilda McVeigh and Florence Campbell, Department of Biology, Vanderbilt University, Nashville.
7. Carbohydrate and other requirements in the cultivation of Endamoeba histolytica in a modified thioglycollate medium, by Fred W. Ryden, Department of Biology, Vanderbilt University, Nashville.
8. Further observations on the growth requirements of Endamoeba histolytica, by James G. Shaffer, School of Medicine, University of Louisville, Louisville.
9. A method of effecting zygospor germination in certain Chlorophyceae, by Richard C. Starr, Department of Biology, Vanderbilt University, Nashville.
10. Studies on the nature of the coenzyme(s) of aspartic acid, serine and threonine deaminases, by John F. Christman and Herman C. Lichstein, Department of Bacteriology, University of Tennessee, Knoxville.
11. Antisporulation factors in complex organic media. I. Growth and sporulation of Bacillus larvae, by J. W. Foster, W. A. Hardwick, and B. Guirard, University of Texas, Austin, Texas.
12. The oxidation of glucose and glycerol by Lactobacillus casei, by Mary M. Hardin, Department of Bacteriology, University of Kentucky, Lexington.
13. Nucleic acid synthesis in cultures of Bacillus subtilis, by Lawrence Morse, Oak Ridge National Laboratory, Oak Ridge, Tennessee.
14. Studies on Central Kentucky water supplies, by R. H. Weaver, Department of Bacteriology, University of Kentucky, Lexington.
15. The combined effects of surface active and chemotherapeutic agents on Mycobacterium tuberculosis var. hominis H37Rv strain, by Alexander Kimler, Ilda McVeigh, and Warren McA. Deacon, Department of Biology, Vanderbilt University, Nashville.
16. The effect of non-ionic surface active agents on the growth of microorganisms, by Irving Millman and Margaret Hotchkiss, Department of Bacteriology, University of Kentucky, Lexington.

17. The effect of surface-active agents on the growth of mycobacteria, by Robert L. Stone and Margaret Hotchkiss, Department of Bacteriology, University of Kentucky, Lexington.
18. Electron micrograph studies on bacteriophages, by O. F. Edwards, Department of Bacteriology, University of Kentucky, Lexington.
19. Anti-atopic reagent, by Margo Wolf and M. Scherago, Department of Bacteriology, University of Kentucky, Lexington.
20. Movie on micromanipulation. Courtesy of A. S. Aloe Company, St. Louis, Missouri.

Maryland Branch (Randolph A. Allgeier, Secretary-Treasurer)

January 19, 1950. School of Hygiene and Public Health, The Johns Hopkins University, Baltimore.

1. The Coxsackie virus and related disease, by Edward C. Gurnen, School of Medicine, Yale University, New Haven, Connecticut.

Missouri Valley Branch (Carl E. Georgi, Secretary-Treasurer)

April 15-16, 1949. Manhattan, Kansas. (Notice received January, 1950).

1. Dye adsorption by growing, "resting" and killed bacterial cells, by J. O. Harris, Kansas State College.
2. Anti-bacterial action of eggshell membranes toward Ps. aeruginosa, by Wm. A. Miller and L. B. Crawford, Kansas State College.
3. Oxidation of acetate, pyruvate and succinate by Ashbya Gossypii, by M. M. Mickelson, Midwest Research Institute, Kansas City, Missouri.
4. Studies on antishell cell hemolysin using sonic vibrated cells and stroma. A preliminary report, by Arthur J. Shanahan, University of Kansas.
5. Some light microscope and electron microscope studies of Agrobacter, by K. J. McMahon and A. Misenstark, Oklahoma A. & M. College.
6. Enzymes of thermophilic bacteria, by Walter E. Militzer, Carl E. Georgi, Theo Sonderegger and Constance Tuttle, University of Nebraska.
7. An improved microscopic method of examining fatty foods, by Thomas H. Lord, Kansas State College.
8. Quality of Riley County public school waters, by Mary M. Green and P. L. Gainey, Kansas State College.
9. The relation of apparent generation time of hemolytic streptocci to hyaluronidase and streptostatin production, by Barbara E. Russell and Noble P. Sherwood, University of Kansas.
10. An aluminum anaerobic chamber, by George L. Peltier and Floyd R. Schroeder, University of Nebraska.
11. Incidence of anthrax in Oklahoma, by Zana G. Skidmore, Oklahoma A. & M. College.
12. Chorio-meningo-encephalitis following inoculation of Newcastle disease virus in rhesus monkeys, by Herbert A. Wenner, University of Kansas Medical Center.
13. Some investigations on Newcastle disease, by L. D. Bushnell, Kansas State College.
14. The survival of Newcastle disease virus in soil, by Yen Shyong Liao. Kansas State College.
15. Evening Address: The biological significance of intestinal organisms, by William B. Sarles, University of Wisconsin.

New Jersey Branch (Theobald Smith Society) (Marjory Darken, Secretary)

January 26, 1950, Merck and Company, Inc., Rahway.

1. Oxidative mechanisms in microorganisms, by I. C. Gunsalus, Indiana University, Bloomington, Indiana
2. Mass transfer of oxygen in submerged fermentation, by W. H. Bartholomew, E. C. Karow, M. R. Sfat, and R. H. Wilhelm, Merck & Company, Inc., Rahway.

Eastern New York Branch (Sophia M. Cohen, Secretary-Treasurer)

Fall Meeting, November 18, 1949. Division of Laboratories and Research, New York State Department of Health, Albany.

1. Application of the treponema immobilization test to clinical diagnostic problems, by

Robert A. Nelson, The Johns Hopkins University School of Hygiene and Public Health, Baltimore.

New York City Branch (Richard Donovick, Secretary-Treasurer)

Fiftieth Meeting, January 4, 1950. Hotel Statler, New York City.

1. The genetics of streptomycin resistance induced by absorbed radioactive phosphorus (P-32), by B. A. Rubin and P. Steinberg, Brookhaven National Laboratory, Upton, Long Island.
2. Dissociation of BCG cultures as revealed by colonial morphology, by W. E. Suter, Rockefeller Institute for Medical Research, New York.
3. Natural selection in Escherichia coli, by Francis J. Ryan, Department of Zoology, Columbia University, New York.
4. Tryptophane metabolism in E. coli, by Arnold W. Ravin, Department Zoology, Columbia University, New York.
5. Application of statistical concepts in the study of bacterial nutrition. Stimulating effect of manganous sulfate upon rapidity of growth of Pneumococcus SV1, by Marion B. Sherwood, Burroughs Wellcome and Company, Inc., Tuckahoe.
6. The physiology of Thiobacillus thioparus, by Wolf Vishniac, Department of Chemistry, New York University, Bellevue Medical Center, New York.
7. Biochemical and isolation studies on the staphylococcus stimulatory factor (SSF), by Nathan H. Sloane and Ralph W. McKee, Ciba Pharmaceutical Company, Summit, New Jersey, and Department Biological Chemistry, Harvard Medical School, Boston.
8. Troubles with the microbiological oxidation of urethan, by S. H. Hutner and A. Schatz, Haskins Laboratories, Inc., New York, and Brooklyn College.
9. A critical study of an unusual streptococcus in subacute bacterial endocarditis and its resistance to antibiotics, by Lewis H. Schwarz, Joseph A. Lazarus and Robert Wallach, New York.
10. Actinomyces bovis in tissues and in the environment, by S. Trubowitz, P. Schain, B. Blattberg, J. B. Morrissey and H. Hrhorn, Halloran Veterans Administration Hospital, Staten Island, New York.
11. Fatalities in salmonella infections, by Ivan Saphra, Beth Israel Hospital, New York.
12. Electrolyte changes in body fluids and tissues during certain experimental infections, by C. L. Fox, Jr., G. Ashwell, B. Freeman and J. Isola, College of Physicians and Surgeons, Columbia University, New York.
13. A study of the effect of streptomycin upon the diamine oxidase of Mycobacterium smegmatis, by Lippman H. Geronimus, Rockefeller Institute for Medical Research, N. Y.
14. Some characteristics of several rumen bacteria, by L. S. Gall and C. N. Huhtanen, National Dairy Research Laboratories, Inc., Oakdale, Long Island.
15. Some respiratory studies on rumen bacteria, by W. M. Connors and L. S. Gall, National Dairy Research Laboratories, Inc., Oakdale, Long Island.
16. Nutritional requirements of a Gaffkya pathogenic for lobsters compared with Gaffkya tetragna, by Sheldon Aaronson, Department of Biology, New York University, Washington Square and Haskins Laboratories, Inc., New York.
17. Inhibitory fractions in commercial culture media, by George H. Chapman, Clinical Research Laboratory, New York.
18. Luncheon Address: Bacteriological aspects of tuberculosis, by Rene J. Dubos, Rockefeller Institute for Medical Research.

North Central Branch (Albert P. McKee, Secretary-Treasurer)

October 28-29, 1949. Iowa State College, Ames.

1. The effect of streptomycin on the interaction of Rh. meliloti and bacteriophage, by F. D. Cook, D. W. Watson, and O. N. Allen, Department of Agricultural Bacteriology, University of Wisconsin, Madison.
2. Evidence for a nitrogenase system in the Thiorhodaceae, by E. S. Lindstrom and Shirley R. Tove, Department of Agricultural Bacteriology, University of Wisconsin, Madison.
3. Heat inactivation of bacteriophages active against lactic streptococci, by H. H. Wilkows and F. E. Nelson, Dairy Industry Section, Iowa Agricultural Experiment Station, Ames.

4. Role of biotin in CO_2 assimilation, by G. E. Wessman and C. H. Werkman, Department of Bacteriology, Iowa State College, Ames.
5. Heat stability of embryo infectivity of various strains of Newcastle disease virus, by R. P. Hanson, Elizabeth Upton, Nancy S. Winslow and C. A. Brandly, Department of Veterinary Science, University of Wisconsin, Madison.
6. Lactobacilli in the intestinal tract of the chicken, by S. K. Shapiro, R. A. Rhodes and W. B. Sarles, Department of Agricultural Bacteriology, University of Wisconsin, Madison.
7. Studies on bacterial enzymes of nucleic acid metabolism, by J. Marmur, L. M. Paegel and F. Schlenk, Department of Bacteriology, Iowa State College, Ames.
8. Effect of CO_2 in prolonging the storage life of meat, by W. S. Ogilvy and J. C. Ayres, Bacteriology Section, Iowa Agricultural Experiment Station, Ames.
9. Hydroxylamine and oximes as source of nitrogen for Clostridium pasteurianum, by E. D. Rosenblum, Department of Agricultural Bacteriology, University of Wisconsin, Madison.
10. Some studies on penicillin - resistant micrococci, by Gerald M. Needham, Mayo Clinic, Rochester.
11. Dentinal tubules as a route for the transmission of poliomyelitis virus and horse serum, by W. D. McBride and J. T. Syvertson, Department of Bacteriology and Immunology, University of Minnesota, Minneapolis.
12. Fat synthesis in Rhodotorula gracilis, by Ching-Ho Chang and Elizabeth McCoy, Department of Agricultural Bacteriology, University of Wisconsin, Madison.
13. The importance of Micrococcus pyogenes var. aureus in bovine mastitis, by R. A. Packer, Department of Veterinary Hygiene, Iowa State College, Ames.
14. Some effects of the rate of freezing on microbial cells, by John A. Ulrich, Mayo Clinic, Rochester.
15. The influence of low partial pressures of oxygen on the biological oxidation of ammonia, by W. V. Bartholomew and Fathi Amer, Agronomy Section, Iowa Agricultural Experiment Station, Ames.

Northeast Branch (Genevieve Young, Secretary-Treasurer)

December 9, 1949. Harvard Medical School, Boston.

1. Relationship between Proshigella and Paracolobactrum, by Philip L. Carpenter, Department of Bacteriology, Rhode Island State College.
2. Staphylococcal hyaluronidase, by Marjorie M. Davison, Matthew A. Derow, and Burnham S. Walker, Departments of Bacteriology and Biochemistry, Boston University School of Medicine.
3. The specific demonstration of mumps virus in infected cells, by Albert H. Coons and F. Sargent Cheever, Department of Bacteriology, Harvard Medical School.
4. Mixed infection of mice with poliomyelitis and equine encephalitis viruses, by Fred W. Gallagher, College of Medicine, University of Vermont.
5. The use of human plasma in modified Dubos medium for growth of Mycobacterium tuberculosis, by Raymond M. Young, Rhode Island Hospital and Rhode Island Institute of Pathology.
6. Dinner address: Penicillin screened mutations in Salmonella typhimurium and their biological significance, by Harold H. Plough, Amherst College.

Eastern Pennsylvania Branch (Wesley G. Hutchinson, Secretary-Treasurer)

211th Meeting, January 24, 1950. Philadelphia County Medical Society Building, Philadelphia.

1. Studies on alcoholic extracts of enteric organisms, by Robert Feinberg, University of Pennsylvania, Laboratory of Microbiology, Philadelphia.
2. The typhoid research program of Army Medical Department Research and Graduate School, by H. C. Batson, Army Medical Department Research and Graduate School, Washington.

The Branch sponsored a meeting on February 2, 1950, at the University Museum Auditorium, Philadelphia, at which an address, "The National Science Foundation Bill," was given by Dael Wolfe, Executive Secretary, Inter-Science Committee for a National Science Foundation, Washington.

Washington Branch (Roy C. Dawson, Secretary-Treasurer)

171st Meeting, January 24, 1950. Army Medical Department Research and Graduate School, Washington, D. C.

1. The effect of mixed pneumococcus and influenza virus infections in mice on the virulence of the influenza virus, by Bernice E. Eddy, Microbiological Institute, National Institutes of Health, Bethesda, Md.
2. Drying by sublimation. The structure of dried proteins as revealed by electron microscopy, by Sidney S. Breese, Marvin L. Weil and Joel Warren, Army Medical Department Research and Graduate School, Washington.
3. Utilization of cyclohexanol and related compounds by Nocardia opaca, by Raymond N. Doetsch, Department of Bacteriology, University of Maryland, College Park.

BOOK NOTES

Louis Pasteur: Free Lance of Science, by Rene J. Dubos. 415 Pages, 13 illustrations. Little, Brown and Company, Boston. 1950. \$5.00.

In this sympathetic and sensitive biography Dr. Dubos has traced the development of Pasteur's numerous contributions in the fields of crystallography, fermentation, anaerobiosis, spontaneous generation and, finally, human and animal disease and immunity. Portrayed against the background of Pasteur's times, environment and remarkable intuition, the story becomes more than just that of the man and scientist; it is the story of a rich personality and of a mind directed toward creative effort of the highest order. Regardless of his field of activity or his attainments, no bacteriologist will want to miss this fresh approach to the life of Pasteur, which takes on new significance in the telling.

Electron Microscopy, by Ralph W. G. Wycoff. 248 pages, 202 illustrations. Interscience Publishers, New York. 1950. \$5.00.

An authoritative discussion of this new, rapidly developing field. The construction of electron microscopes and their adjustment are discussed, and the techniques of preparing materials for electron microscopy, metal shadowing and surface replicas are described in some detail. Applications of electron microscopy to the study of particle suspensions, viruses and macromolecules are discussed with special reference to those phases which have been of direct concern to the author, providing first-hand information based upon personal experience. The numerous photographs are of uniform excellence.

Textbook of Virology for Students and Practitioners of Medicine, by A. J. Rhodes and C. E. van Rooyen. 312 pages, 40 illustrations. Thomas Nelson and Sons, New York. 1949. \$5.00.

Intended as an introduction to the study of viral and rickettsial diseases, this volume presents in brief form the biology and host-parasite relationships of these organisms, the techniques employed in their study, and short sketches of the clinical features, pathology, immunology and therapy of the diseases caused by them. The technical methods are clearly illustrated. Arranged in essentially an outline form, the book requires considerable supplementary material for teaching.

Textbook of Bacteriology, by William Burrows, in collaboration with F. B. Gordon, R. J. Porter and J. W. Moulder. 15th Edition. 981 pages, 264 figures. W. B. Saunders Company, Philadelphia. 1949.

In this 15th edition of the well-known "Jordan's Textbook of Bacteriology" a number of sections have been rewritten, notably those dealing with respiration, carbohydrate metabolism, the mechanisms of antibacterial action, and hypersensitivity, while numerous revisions reflect recent advances in microbiology. New material includes the biosynthesis of carbohydrates and amino acids, and sections on *Donovania*, rickettsialpox and infectious hepatitis.

Microbiology and Man, by Jorgen Birkeland. 525 pages, 54 illustrations. 2nd Edition. Williams and Wilkins Company, Baltimore. 1949. \$5.00.

The subtitle of this book defines its scope: "an account of the diverse properties and characteristics of microorganisms, a description of the various tools and techniques for their handling, and an inquiry into their subtle relationships to every day life."

To this end are described the biology of microorganisms, the causation and prevention of disease, defense mechanisms, and the microbiology of water, sewage, air, soil, food and milk. Except for the omission of diseases due to fungi and some viral diseases, the book is well-rounded and is adapted to students of both general and medical bacteriology.

Microbiology, by Florene C. Kelly and K. Eileen Hite. 592 pages, 185 figures. Appleton-Century-Crofts, Inc., New York. 1949. \$6.50.

A new text intended for students in general and pathogenic microbiology. Following introductory descriptions of protozoa, fungi, bacteria, rickettsiae and viruses and their relationships, the book proceeds to discussions of the biology and physiology of bacteria, methods of study, host-parasite relationships, immunity, detailed description of the microbiology of specific diseases, epidemiology and public health. Facts and theories are presented briefly but in enough detail to provide an adequate understanding of the subject. In an appendix are grouped useful technical methods (22 pages) and references (16 pages) for the 45 chapters of the book; the references list chiefly bibliographic review articles and books which supply more detailed information.

Streptomycin: Nature and Practical Application, Edited by Selman A. Waksman. 615 pages, 95 figures. Williams and Wilkins Company, Baltimore. 1949. \$10.00.

In the few years since its discovery, the literature on streptomycin and its clinical applications has mounted to something over 1800 references. The present status of the subject is summarized here by 58 contributors, many of them pioneers in the field, in sections on the microbiological and chemical aspects of streptomycin, its antibacterial and pharmacologic properties, its therapeutic use in diseases of man, its veterinary applications and its use in agriculture. A most valuable reference for both the clinician and the bacteriologist.

Manometric Techniques and Tissue Metabolism, by W. W. Umbreit, R. H. Burns and J. F. Stauffer. 2nd Edition. 227 pages, 56 figures. Burgess Publishing Co., Minneapolis. 1949. \$4.00.

Biophysical Research Methods, Edited by Fred M. Uber. 667 pages, 141 figures. Interscience Publishers, New York. 1950. \$9.50.

Physical Methods of Organic Chemistry, Part II, Edited by Arnold Weissberger. 1023 pages, 350 figures. Interscience Publishers, New York. 1949. \$12.50.

NEW MEMBERSSustaining Member:

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New Active Members: (November 17, 1949 through January 24, 1950)

Acosta, E. Rosalie, Dept. of Nutrition, Univ. of Arizona, Tucson, Ariz.
 Albert, Mama, 820 South Wolcott, Chicago 12, Ill.
 Armato, Mary C., 74 Florence St., Winchester, Mass.
 Atterbury, Joan, Rt. 5, Box 618, Tucson, Ariz.
 Barrett, Edward D., 15109 Dexter Blvd., Detroit 21, Mich.
 Barron, Lawrence E., 29 E. Mt. Vernon Pl., Baltimore 2, Md.
 Bell, Harry Wm., 28 Deerfield St., East Haven 12, Conn.
 Bennett, Edward O. Jr., 624 South Clinton, Iowa City, Iowa
 Blubaugh, F. Claire, Comml. Solvents Corp., Terre Haute, Ind.
 Blumenthal, Harold Jay, Dept. of Biol. Sciences, Purdue Univ., W. Lafayette, Ind.
 Borick, Paul M., 312 River Ave., Olyphant, Pa.
 Bowen, Harry E., Dept. of Bacteriology, Yale University, New Haven, Conn.
 Bowling, Robert E., 434 Elm, Norman, Okla.
 Boyd, Frank M., Georgia Poultry Lab., 737 S. Main St., Gainesville, Ga.
 Brandt, Carl D., 138 East Pleasant St., Amherst, Mass.
 Brokaw, James E., 1322 S.E. First St., Evansville, Ind.
 Brown, Louise, 1011 Arbor Ave., Wheaton, Ill.
 Bruce, Roger W., Rockford Municipal TB San., 1601 Parkview Ave., Rockford, Ill.
 Bruner, Dorsey W., New York State Veterinary College, Ithaca, N.Y.
 Bueettner, Louis G., American Meat Inst. Fdn., 939 E. 57th St., Chicago 37, Ill.
 Burroughs, John D., Dept. of Biology, Purdue University, W. Lafayette, Ind.
 Catlin, Dana E., 960 Vernon Ave., Venice, Calif.
 Chase, Estelle R., 38 Narragansett St., Springfield 7, Mass.
 Chung, Choong Wha, Dept. of Microbiology, Rutgers Univ., New Brunswick, N.J.
 Cohen, Sidney, Beth Israel Hospital, 330 Brookline Ave., Boston 15, Mass.
 Collins, Edwin B., Div. of Dairy Industry, Univ. of California, Davis, Calif.
 Colton, F. Rosemary, 504 So. Lincoln, Hinsdale, Ill.
 Cota-Robles, Eugene H., 920 East Luna, Tucson, Ariz.
 Crofutt, Laurence E., Bacteriology Office, Indiana Univ., Bloomington, Ind.
 Cromartie, William J., Dept. of Bact. & Immun., Medical School, Univ. of Minnesota,
 Minneapolis, Minn.
 Danz, Mother Frances, Barat College, Lake Forest, Ill.
 Davis, Eldon V., 105C Huskerville, Lincoln, Nebr.
 Demain, Arnold Lester, Chestertown, Md.
 DeWitt, Charles W. Jr., 209 W. Norwich Ave., Columbus, Ohio
 Dickerman, John M., Marshall Hall, Univ. of Massachusetts, Amherst, Mass.
 Dimmick, Robert L., FPHA Apt 514-2, Airport Road, West Lafayette, Ind.
 Doney, Joseph J. Jr., c/o International Petroleum Co., Talara, Peru, S.A.
 Dumoff, Morris, Univ. of Arkansas School of Medicine, Little Rock, Ark.
 Ellis, H. Benton, Dept. of Bact., Univ. of Tennessee, Knoxville, Tenn.
 Ellner, Paul D., 1051 West 30th St., Los Angeles 7, Calif.
 Ennever, John, College of Dentistry, Ohio State University, Columbus 10, Ohio
 Fish, Charles H., Communicable Disease Center, TB Lab., Chamblee, Ga.
 Fram, Harvey, Natl. Dairy Res. Labs., Oakdale, Long Island, N.Y.
 Ganley, Oswald H., 54 Graves Place, Holland, Mich.
 Gardiner, John B., 1581 Neil Ave., Columbus 1, Ohio
 Geller, Philip, Dept. of Bact., Stanford Univ., Stanford, Calif.
 Glaser, Robert J., Barnes Hospital, 600 S. Kingshighway Blvd., St. Louis 10, Mo.
 Goldin, Cyrus I., 1130 Shenandoah St., Los Angeles 35, Calif.
 Goldstein, Solomon N., c/o Emulsol Corp., 59 E. Madison, Chicago 3, Ill.
 Gordon, Milton, 3520 Pomeroy St., Los Angeles 33, Calif.
 Gottlieb, Seymour L., 125 So Spaulding Ave., Chicago 24, Ill.

Greene, Arthur E., 2019 Eleigh Ave., Philadelphia 15, Pa.
 Grigsby, Mary Virginia, Dept. of Biology, Purdue Univ., W. Lafayette, Ind.
 Groman, Neal E., 5810 S. Drexel, Chicago 37, Ill.
 Grossowicz, Nathan N., Dept. of Biochemistry, N.Y. State Psychiatric Institute,
 722 West 168th St., New York 32, N.Y.
 Gutowitz, Alan I., Beta Sigma Rho, State College, Pa.
 Guy, Ruth, 5122 Rawlins, Dallas 9, Texas
 Hallock, Frank Eugene, 10 Suydam St., New Brunswick, N.J.
 Hancock, James A., P.O. Box 671, Chapel Hill, N.C.
 Harper, James E., 4518 Kerle St., Jacksonville 5, Fla.
 Heath, Edward C., Dept. of Bact., Med. School, Univ. of Missouri, Columbia, Mo.
 Henry, Bettie A., c/o Frost Club, 1046 N. Lake Shore Drive, Chicago 11, Ill.
 Herbst, Edward J., Dept. of Biol. Chem., Univ. of Maryland School of Medicine,
 Baltimore, Md.
 Huddleston, Marjorie I., Abbott Laboratories, North Chicago, Ill.
 Hugh, Rudolph, Loyola Univ. School of Medicine, 706 So. Wolcott, Chicago 12, Ill.
 Inc, Jimmie, 1804 West 46th Ave., Denver, Colo.
 Insalata, Nino F., 1823 Nostrand Ave., Brooklyn 26, N.Y.
 Jones, Muriel M., Medical College of Virginia, Bact. Dept., Richmond, Va.
 Jacobs, Robert, 505 S. Crouse Ave., Syracuse, N.Y.
 Jakubovics, John Jr., 2027 Wespark Ave., Whiting, Ind.
 Janssen, Werner A., Trailer Site #27, Univ. of Connecticut, Storrs, Conn.
 Jeffries, Theodore W., 321 E. Jackson Blvd., Elkhart, Ind.
 Josefak, Eugene J., 26 Pleasant View Drive, Lancaster, N.Y.
 Kalarovich, Anthony J., 119 Eckhert St., Buffalo 7, N.Y.
 King, Roger F., Dept. Biol. Sciences, Stanley Coulter Hall, Purdue University,
 West Lafayette, Ind.
 Kleinman, Ralph, 347 Whitethorne Ave., Columbus 4, Ohio
 Kley, Dorothy V., 306 West 4th St., New York 14, N.Y.
 Kleyn, John G., Dept. of Bact., Stocking Hall, Cornell Univ., Ithaca, N.Y.
 Klitenic, Simon, The Professional Labs., 1515 U St. N.W., Washington 9, D.C.
 Koch, Howard M. G., 2511 E. Blacklidge Drive, Tucson, Ariz.
 Kocholaty, Walter F., Med. Dept. Field Res. Lab., Fort Knox, Kentucky
 Korab, Harry E., 1128 16th St. N.W., Washington 6, D.C.
 Kumerlen, Gertrude M., R.F.D. #2, Crystal Lake, Ill.
 Lawson, Lucy Anne, Box 1, Amory, Miss.
 Loesch, Albert F., 1300 S. Illinois St., Belleville, Ill.
 Manaker, Robert A., Route 2, Box 150, West Inman Ave., Rahway, N.J.
 Marmell, Milton, 110 Empire Blvd., Brooklyn 25, N.Y.
 Martin, Elfe-Luise, Box 568, Mason, Texas
 McCaffrey, J.C., 611 Lakeview Terrace, Glen Ellyn, Ill.
 McDougle, H.C., School of Vet. Medicine, Connaway Hall, University of Missouri,
 Columbia, Mo.
 McGilchrist, Thomas E., 2222 "Q" St., Vancouver, Wash.
 McLallen, Rosella, 249 South Blvd., Oak Park, Ill.
 McLaren, Leroy C., 11957 Dorothy St., Los Angeles 49, Calif.
 Medill, Mary A., Dept. of Biology, Wolf Hall, Univ. of Delaware, Newark, Del.
 Millian, Stephen J., 52 East Woodruff Ave., Columbus, Ohio
 Milone, Nicholas A., School of Public Health, Univ. of Michigan, Ann Arbor, Mich.
 Molnar, Julius, Molnar Labs., 211 East 19th St., New York 3, N.Y.
 Mossel, D.A.A., 59/61 Catharijnesingel, Utrecht, The Netherlands
 Murphy, John C., 256 Harrisville Rd., Ogden, Utah
 Mutterer, Marie, Osborn Rd., West Albany, Box 610, New York
 Nelson, Einar E., 4970 Umatilla St., Denver 11, Colo.
 Neumann, Harry G.C., Res. Microbiol., Dept. of Water & Power, Box 3669, Terminal
 Annex, Los Angeles 54, Calif.
 Newcomb, Harvey R., 927 East Colvin St., Syracuse, N.Y.
 Niggemann, Bertram, Dept. of Biol., St. John's Univ., Collegeville, Minn.
 Nook, Mary Ann, The Upjohn Co., Kalamazoo, Mich.

Norman, Noah N., USPHS, 730 17th Street, Denver 2, Colo.

Ogg, James E., Dept. of Botany & Bact., Montana State College, Bozeman, Montana

Pivnick, Hilliard, Dept. of Bact., Michigan State College, East Lansing, Mich.

Polzin, William J., Biological Control Labs., Eli Lilly & Co., Indianapolis, Ind.

Pramer, David, Dept. of Microbiology, N.J. Ag. Exp. Station, New Brunswick, N.J.

Proudfit, William S., Nebraska Health Lab., 1015 State Capitol Bldg., Lincoln 9, Neb.

Ramp, Joseph A., 285 Leonard St., Brooklyn 11, N.Y.

Reedal, Jeanette S., Bact. Dept., AMERGS, Army Medical Center, Washington 12, D.C.

Robak, William R., 37 Van Ness Terrace, Maplewood, N.J.

Roegner, Francis R., Dept. of Botany, Univ. of Wisconsin, Madison 6, Wis.

Roland, Frédy P.M., Arnold Lab., Brown University, Providence 12, R.I.

Rose, Harry M., College of P. & S., Columbia Univ., 630 W. 168th St., New York 32, N.Y.

Ruark, Ruth L., The Abbott Research Labs., North Chicago, Ill.

Ryunyon, Ernest H., 144 Garland Ave., Decatur, Ga.

Rymshaw, Marie D., 122 S. Springfield Rd., Clifton Heights, Pa.

Sandrolini, Emil H., 407 E. Daniel, Champaign, Ill.

Schaefer, Walter H., Northern Michigan Coll. of Education, Marquette, Mich.

Schwartz, Sidney A., 8895 Nineteenth Ave., Brooklyn 14, N.Y.

Sharp, Thomas R., 1720 Wellesley Drive, Santa Monica, Calif.

Simonton, Lois A., 7704 Blair Road, Washington 12, D.C.

Skidmore, Zana G., Oklahoma A & M College, Stillwater, Okla.

Sleeper, Bayard P., 922½ San Benito Rd., Berkeley 7, Calif.

Smith, Andrew G., Dept. of Bact., School of Medicine, University of Maryland, Baltimore, Md.

Sorensen, Royal H., 221 Marmona Drive, Palo Alto, Calif.

Stucker, Calvin L., P.O. Box 4187, Jacksonville 1, Fla.

Teller, Morris N., 21401 Kingsville, Detroit 24, Mich.

Terry, H. Sue, Box 3182, Sta. B., Columbus 2, Ohio

Thompson, Thomas L., 610 So. 17th St., Lincoln, Neb.

Traxler, Richard W., c/o The Texas Co., Port Neches, Texas

Tripp, Leonard M. Jr., Route 5, Frederick, Md.

Uscavage, Joseph P., Dept. of Bact., Univ. of Illinois College of Medicine, 808 South Wood St., Chicago 12, Ill.

Vance, Emily Jo, 4520 Santa Maria, Coral Gables, Fla.

van der Smissen, Eugene T., 935 New Hampshire, Lawrence, Kansas

Vishniac, Wolf, 105 West 72nd St., New York 23, N.Y.

Walenrod, Lewis, 1506 University Ave., Bronx 52, N.Y.

Ward, Charles B. Jr., 319 W. 9th St., Stillwater, Okla.

Warner, Juanita Jane, 428 Evergreen Ave., East Lansing, Mich.

Wasserman, Philip, Jewish Hospital, Cincinnati 29, Ohio

Weiner, Arthur, 17 Pear Ave., Newport News, Va.

Weinstein, Marvin J., 1369-1377 North Ave., Elizabeth, N.J.

Weintraub, Adolph, The Upjohn Co. Res. Labs., 301 Henrietta St., Kalamazoo, Mich.

Whissen, Henry Albert, 1434 G Street S.E., Washington 3, D.C.

White, L. Virginia, 2300 General Taylor, New Orleans, La.

Whiteside-Carlson, Virginia, Biochemistry Dept., Medical College of Alabama, Birmingham 5, Ala.

Whiting, Charles S., Dept. of Ag. Bact., Univ. of Wisconsin, Madison, Wis.

Williams, H.H., 406 Municipal Bldg., Dayton, Ohio

Wilson, Raphael, St. Edward's University, Austin, Texas

Witzke, William Singrey, 805 Casino St., Bakersfield, Calif.

Wong Yau-Wai, 2200 Hazelton Court, Topeka, Kansas

Yall, Irving, 104 Tapscott St., Brooklyn 12, N.Y.

Zeiger, Ann V., 624 North Sheridan Rd., Waukegan, Ill.

Zucker, Edward L., 3368 Mayfield Rd., Cleveland Heights, Ohio

